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PROGRAM Sixteenth Annual FARMERS' WEEK

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FOREWORD

The delayed post-War adjustment of price levels, due to many causes, and the burdens imposed on the general public by the severe industrial disturbances of the past year, have caused untold loss and hardship for farmers. The agricultural depression is now in its third year. It is a time when courage and fortitude are needed; when economies in production and in operation must be sought, and when every practicable step must be taken to lessen or to remove the conditions which stand in the way of recovery. It is a situation requiring the best thought and action of the whole people.

The material and social progress of the State and of the Nation are inseparable from the material and social progress of agriculture and of those who are engaged in it. If New York is to regain its economic stability and be positively and largely and permanently efficient, it must face the task of better defining its ideals and purposes and more successfully discharging its obligations to its agriculture. But this is not alone a problem for government; it is even more a concern of private industry and enterprise and of the people, whose sustained well-being cannot escape the untoward influences of a disturbed agriculture. The indispensable guarantee of general welfare is an efficient and economically sound and profitable agriculture.

The program for this Sixteenth Annual Farmers' Week of the State College of Agriculture recognizes this situation and aims to aid in its solution. It declares for the sustained courage and hopefulness which the essential integrity of agriculture warrants. It teaches the fundamentals of sound agricultural prosperity. The invitation to hear and to share in the discussions in its large and varied program is extended to all who care.

—A. R. Mann.

INFORMATION

Railroad rates.—The following railroads have granted reduced rates (one and one-half fare, round trip, with a minimum of twenty-five cents) to Ithaca for Farmers' Week. These tickets will be on sale for February 11 to 17, inclusive, and will be good returning until February 19.

Delaware and Hudson, from all points in New York State.

The Delaware, Lackawanna and Western, the Erie, and the New York, Ontario and Western, and the Pennsylvania from all points in New York State except New York City.

New York Central and West Shore, from points within 150 miles of Ithaca.

Lehigh Valley, from Tunkhannock, Pennsylvania, to Suspension Bridges, New York, inclusive, and also including branches.

Buffalo, Rochester and Pittsburg, from Scottsville to Salamanca, inclusive, and from Perry and Silver Springs.

Information bureau and police protection.—Visitors may apply to the information bureau on the first floor of Roberts Hall for mail and information. Lost and found articles should be reported here. Police protection is under the supervision of Lieutenant T. H. Twesten, Proctor of Cornell University, late of the Philadelphia Police Department.

Registration.—Visitors are requested to register in Roberts Hall and procure a program. Former students should indicate that fact on the registration card and give their occupation.

Mr. A. W. Gibson, of the Farm Practice Office, is collecting information on former students of the College, and will be glad to assist them in getting information about their classmates and acquaintances.

Room and board.—A directory of available rooming and boarding places may be found in Roberts Hall, first floor. Plans have been made to insure comfortable accommodations for all visitors.

Checking room.—In the basement of Stone Hall is a room in which coats and parcels may be checked free of charge. Checking facilities will also be provided in Home Economics 110.

Lecture rooms and laboratories.—The rooms of the buildings of the College of Agriculture are numbered independently. All rooms on the first floor bear numbers in the first hundred, those on the second floor in the second hundred, and so on. The location of demonstrations and lectures is indicated by giving the name of the building and the number of the room; thus, Roberts 392 is a lecture room on the third floor of Roberts Hall.

Guides to campus and farm.—Parties of five or more will be furnished guides to points of interest on the university campus and farm, by applying to the information bureau.

Meals.—The cafeteria in the Home Economics Building is open from 7:15 to 9:30 a.m., from 11 a.m. to 2 p.m., and from 5 to 7 p. m. Lunches or full meals may be procured at regular cafeteria prices. In addition, there is a lunch counter in the basement of Roberts Hall, and luncheon service in the forestry club-room in the Forestry Building, on the first floor of the Poultry Building, and on the first floors of the Dairy Building and of the Animal Husbandry Building.

Conventions and conferences.—Conventions and conferences meeting during Farmers' Week are open to all persons.

GUIDE TO BUILDINGS

COLLEGE OF AGRICULTURE

Roberts Hall

Basement.—Mailing rooms; men's lavatory; lunch counter.

First floor.—Dean's office, information bureau; business office; office of the Vice Dean of Instruction; Secretary's office; Extension Department (headquarters for Farmers' Week); assembly room; United States Weather Bureau map, fully outlined each day.

Second floor.—Lecture room 292; women's rest room; office of the Vice Director of Research; office of State Leader of County Agents; fruit show; full display of work carried on in Farm Study courses; Departments of Floriculture and Ornamental Horticulture and Pomology; pomology exhibit.

Third floor.—Department of Entomology; lecture room 392; entomology exhibit, 302.

Fourth floor.—United States Weather Bureau; Department of Entomology.

Roof outlook.—Entrance thru weather bureau office, east door.

Stone Hall (west of Roberts Hall)

Basement.—Plant physiology laboratories; college library; checking room.

First floor.—Lecture room 192; office of Farm Practice and Farm Superintendence; office of the College Librarian.

Second floor.—Botany offices and laboratories; botany exhibit.

Third floor.—Department of Botany and botany laboratories.

Dairy Building (east of Roberts Hall). New Dairy Building, nearly completed, north of Animal Husbandry Building.

Basement.—Dairy mechanics laboratories; laundry; office of State Chemist; dairy extension, or manufacturing division, comprising (1) market milk room, (2) butter and separator rooms, (3) cheese rooms, (4) farm dairy room, and (5) fancy cheese room; dairy sales room, selling ice cream, milk, butter, and cheese.

First floor.—Department of Dairy Industry; dairy bacteriology laboratory; reading room; lunch room.

Second floor.—Lecture room 222; milk-testing laboratory; advanced testing laboratory; women's lavatory.

Third floor.—Free-hand drawing practice room 371; meteorology office and laboratory.

Poultry Husbandry Building (east of Dairy Building and Fernow Hall)

Basement.—Incubator cellar; cold-storage rooms; killing room and poultry marketing equipment; shipping crates; packages.

First floor.—Egg room; poultry mechanics room; men's lavatory; lunch room; mammoth incubator.

Second floor.—Departments of Poultry Husbandry and Vegetable Gardening; Junior Project Leaders' office; poultry reading room; poultry exhibit 280; women's lavatory.

Third floor.—Lecture rooms 325 and 375; laboratories 300 and 350.

First-, second-, and third-floor corridors.—Poultry-guessing contests.

Home Economics Building (north of Roberts Hall)

Basement.—Cafeteria; men's lavatory; women's lavatory; costume shop.

First floor.—Home Economics administrative office; offices of State Leaders of Home Demonstration Agents; classroom 100; small living apartment for practice in housekeeping.

Second floor.—Assembly room 245; food laboratories; women's lavatory; classroom 265.

Third floor.—Clothing laboratories 300, 305, 310; women's lavatory; offices of Extension in Home Economics.

Fourth floor.—Housing and design; textile laboratory; women's lavatory; clothing laboratory 450.

Farm Management Building (north and east of Dairy Building)

First floor.—Department of Agricultural Economics and Farm Management; lecture room 102; library 101; farm management exhibit.

Second floor.—Offices and laboratories.

Rural Engineering Buildings (Laboratories, east of Farm Management Building and Caldwell Hall)

Farm mechanics; tractor and home-convenience exhibits; overshot water wheel.

Rural Engineering Building (Offices, north of laboratories, in former Landscape Art Building)**Greenhouses** (east of Dairy Building)

Headhouse and glasshouses; floriculture lecture room, second floor of headhouse; floriculture exhibit; vegetable-gardening and potato exhibits.

Cornell Countryman Building (west of Stone Hall and across the road)**Animal Husbandry Building** (east of Poultry Husbandry Building)

Basement.—Meat laboratories; cutting and curing rooms; men's lavatory.

First floor.—Department of Animal Husbandry; lecture rooms A and B.

Second floor.—Feed laboratories; office of Supervisor of Cow Testing Association; feed exhibit; lecture room C.

Third floor.—Department of Rural Social Organization; laboratories; women's lavatory; library; Room E.

Stock Judging Pavilion (east of Animal Husbandry Building)**Bailey Hall** (west of Home Economics Building)

Basement (entrance on north side).—Department of Plant Pathology; laboratories.

First floor.—Auditorium.

Fernow Hall, formerly Forestry Building (east of greenhouses)

Basement.—Rural economy office; men's lavatory; post-treating tank; forestry museum; offices of Nature-Study Department; lecture room.

First floor.—Department of Forestry; lecture room 122; forestry exhibit.

Second floor.—Department of Plant Breeding; laboratories; women's lavatory; lecture room 210.

Third floor.—Club and lunch room; laboratories; offices; men's lavatory.

Caldwell Hall (east of Home Economics Building)

Basement.—Laboratories; men's lavatory.

First floor.—Departments of Agronomy and Agricultural Chemistry; lecture rooms 100 and 143; women's lavatory.

Second floor.—Department of Rural Education; laboratories and classrooms; men's lavatory.

Third floor.—Agronomy offices; laboratories.

Fourth floor.—Rural education offices; laboratories.

UNIVERSITY CAMPUS

The University Library.—The university library contains about six hundred thousand bound volumes, placed in the University Library Building located at the southwest corner of the quadrangle. The hall and the large reading room contain rare manuscripts, pictures, and many other things of great interest.

The Zoological Museum.—The zoological museum contains mounted specimens of many different kinds of animals from all parts of the world. It is located on the second and third floors of McGraw Hall.

The Museum of Casts.—The museum of casts contains a large collection of casts illustrating the history of Greek and Roman sculptural art. It is located in the basement of Goldwin Smith Hall.

Sage Chapel.—Sage Chapel is located south and east of the Library. The chapel is handsomely decorated and is one of the most beautiful chapels in America.

Barnes Hall.—Barnes Hall is one of the centers of the religious work of the University, and is the home of the Cornell University Christian Association. It contains a large Biblical library and reading room. There are also rest rooms.

LECTURES AND DEMONSTRATIONS

SUNDAY, FEBRUARY 11

11 a. m. Morning service conducted by the Reverend Cornelius Woelfkin, D.D., LL.D., Litt.D., Pastor of the Park Avenue Baptist Church, New York City. Sage Chapel.

3:30 p. m. Vesper service (chiefly musical). Reverend Mr. Woelfkin. Sage Chapel.

MONDAY, FEBRUARY 12

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford.* Poultry 350

Demonstration: Vaccination and treatment of chicken pox. J. W. Fuller. Poultry Killing Room, Poultry Basement.

9 a. m. How to choose and buy a farm. C. E. Ladd. Farm Management 102
The newest ideas in incubation. L. E. Weaver. Poultry 375
Ferns and palms for the home. E. A. White. Floriculture Building
Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

10 a. m. The tariff and the farmer. J. E. Boyle. Roberts 292
Bulbs, indoor and out. A. C. Hottes, Ohio University, Columbus, Ohio. Roberts 392

Meeting city health board requirements for market milk. J. D. Brew. Dairy 222

How to improve permanent pastures. J. H. Barron. Caldwell 100

Ways of starting farming with small capital. G. F. Warren. Farm Management 102

White pine blister rust: its probable influence on farm forestry. F. L. DuMond. Fernow 210

The latest information on rearing chickens. G. F. Heuser. Poultry 375

Demonstration: Electric equipment of a Ford automobile. B. A. Jennings. Farm Mechanics Laboratory. Repeated Saturday at 10 a. m.

New York State Newspaper Conference. Fernow 122. (See page 28)

11 a. m. Recent progress in the potato industry. E. V. Hardenburg. Roberts 292. Repeated Friday at 9 a. m.

High-analysis versus low-analysis mixed fertilizers. E. L. Worthen. Caldwell 100

Why some farms pay better than others (general farming). W. I. Myers. Farm Management 102

Hot and cold running water in the home. N. D. Steve. Rural Engineering Building. Repeated Friday at 12 m.

Wheat and oat varieties best adapted to New York: the present status of the situation. H. H. Love. Fernow 210. Repeated Thursday at 9 a. m.

Flowering plants for the home: their propagation and care. Lua A. Minns. Floriculture Building

Babcock fat test and relative values of milk of different compositions. H. C. Troy. Dairy 222

The latest information on poultry-house construction for New York State. H. E. Botsford. Poultry 375

New York State Newspaper Conference. Fernow 122. (See page 28)

*Unless otherwise indicated, all speakers and demonstrators are members of the staff of Cornell University.

- 12 m.** Treatment of insects on house plants. Robert Matheson. Roberts 392
 Gas-engine principles. B. A. Jennings. Rural Engineering Building.
 Repeated Thursday at 9 a. m.
 New York State Newspaper Conference. Fernow 122 (See page 28)
- 1 p. m.** Motion pictures. Bailey Auditorium
 Poultry-guessing contests (thruout the day). C. E. Lee. Corridors of
 Poultry Building
 Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie.
 Dairy Laboratories
 Regular laboratory exercises and demonstrations (until 5 p. m.). Dairy
 Manufacturing Rooms
- 2 p. m.** Address of welcome. Dean A. R. Mann. Roberts Assembly
 What kind of farm accounts shall I keep? C. E. Ladd. Farm Manage-
 ment 102
 Gasoline-engine lubrication and care. F. L. Fairbanks. Rural Engineer-
 ing Building. Repeated Wednesday at 12 m. and Saturday at 9 a. m.
 Demonstration: Harness repairing. L. M. Rochl. Farm Mechanics
 Laboratory. Repeated Wednesday and Friday at 4 p. m.
 Demonstration: Killing beef. C. D. Schutt. Animal Husbandry Slaughtering
 Room
- 3 p. m.** Fruit for the home. W. H. Chandler. Roberts 292
 The small flower garden for the home. A. C. Hottes. Roberts 392
 What is the most profitable use of farm manure? A. F. Gustafson. Cald-
 well 100
 New York State Newspaper Conference. Fernow 122. (See page 28)
 Progress report on the newer methods of potato seed treatment. F. M.
 Blodgett and F. R. Perry. Dairy 222
 The farm ice house. A. M. Goodman. Rural Engineering Building
 How to take a farm inventory and make a credit statement. W. I. Myers.
 Farm Management 102
 Poultry farming for women. Mrs. E. M. Dawley, Mexico, New York.
 Poultry 375
 Demonstration: How the bacteria count of milk is determined. P. A.
 Downs. Dairy Laboratories
 Demonstration: Magneto timing. F. B. Wright. Farm Mechanics Labora-
 tory. Repeated Friday at 3 p. m.
 Forest management as applied to the farm woodlot. A. B. Recknagel.
 Fernow 210
- 4 p. m.** Nut trees: varieties, and their culture. L. H. MacDaniels. Roberts
 292. Repeated Thursday at 12 m.
 Storage of butter for home use. H. C. Jackson. Dairy 222
 How to keep a simple record of farm receipts and expenses. C. V. Noble.
 Farm Management 102
 Demonstration: Overhauling a single-cylinder gas engine. B. A. Jennings
 Farm Mechanics Laboratory. Repeated Friday at 10 a. m.
 Demonstration: Buying and mixing feeds (at 4:30 p. m.). L. C. Norris
 and L. A. Maynard. Animal Husbandry C
 Variety tests, and breeding and selection work with supplementary silage
 crops: soybeans and sunflowers. R. G. Wiggins. Fernow 210

New York State Newspaper Conference. Fernow 122. (See page 28)

Poultry demonstrations:

Practice in balancing rations to meet special conditions. G. F. Heuser. Poultry 174

Practice in handling lighting systems in poultry houses. F. L. Fairbanks and W. G. Krum. Poultry 300

Practice in selecting male birds. L. M. Hurd. Poultry 350

Practice in selecting hens. R. C. Ogle. Poultry 350

Practice in selecting pullets. C. Sandford. Poultry 350

Practice in poultry-farm records and accounts. H. E. Botsford. Poultry 325

Practice in candling, grading, and packing eggs for market. C. K. Powell. Poultry Main Entrance

Practice in preparing poultry for market, including dry and scald picking. H. G. P. Hamann. Poultry Killing Room. Poultry Basement

Practice in poultry sanitation and disease diagnosis. J. W. Fuller and R. C. Bradley. Poultry Basement

5 p. m. Motion pictures. Farm mechanics films. Farm Mechanics Laboratory. Repeated daily at 5 p. m.

Evening

6:30 p. m. Social hour. Home Economics 245

8 p. m. Round-up Club reception to visitors. Animal Husbandry Building
Winter Course prize-speaking contest. Winter Course debate. Music by the Winter Course Club. Roberts Assembly

TUESDAY, FEBRUARY 13

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

Vaccination and treatment of chicken pox. J. W. Fuller. Poultry Killing Room, Poultry Basement

9 a. m. Garden soils and fertilizers. E. L. Worthen. Roberts 392

Suggestions for the planting and care of small fruits. G. W. Peck. Roberts 292. Repeated Saturday at 10 a. m.

Principles involved in legume inoculation. O. F. Curtis. Caldwell 100
Farm drainage. N. D. Steve. Rural Engineering Building. Repeated Thursday at 10 a. m.

Chicken pox and kindred diseases, and how to recognize and treat them. J. W. Fuller. Poultry 375

The more common diseases of swine. J. W. Benner. Animal Husbandry A
The Empire State Potato Growers' Cooperative Association: what it has done and is doing. L. J. Steele. Fernow Basement

Lecture and demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222

Demonstration: Ford automobile engine taken out of chassis and replaced. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory. Repeated Thursday at 9 a. m.

Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

New York State Newspaper Conference. Fernow 122. (See page 28)

Forest planting: making waste lands productive with forest trees. S. N. Spring. Fernow 210

- 10 a. m.** Improving the quality of fruit crops. J. Oskamp. Roberts 292
 Some dairy problems. A. C. Dahlberg, New York State Experiment Station, Geneva, New York. Dairy 222
 How and why to grow clover in meadows. J. H. Barron. Caldwell 100
 Why some farms pay better than others (dairy farming). E. G. Misner. Farm Management 102
 Dairy-barn arrangement, construction, and ventilation (to be followed by round-table discussion). H. W. Riley. Rural Engineering Building. Repeated Friday at 9 a. m.
 Marketing New York State products. H. D. Phillips, Department of Farms and Markets, Albany, New York. Roberts Assembly
 Maintaining fertility in vegetable production. A. F. Gustafson. Fernow 210
 Potato insects of importance in New York. G. W. Herrick. Fernow Basement
 Methods of preventing diseases of poultry. R. C. Bradley. Poultry 375
 Insects injurious to domestic animals. Robert Matheson. Animal Husbandry A
 Swine buildings and equipment. R. B. Hinman. College Piggery
 Propagation of woody plants (seeds). C. E. Hunn. Floriculture Building
 Demonstration: Ford automobile engine overhauled. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory. Repeated Thursday at 10 a. m.
 New York State Newspaper Conference. Fernow 122. (See page 28)
- 11 a. m.** First lecture on prices: Financial inflation and deflation, and some of its results. G. F. Warren. Roberts Assembly
 Pruning ornamental plants. C. E. Hunn. Floriculture Building
 Disposal of sewage at dairy plants. C. L. Walker. Dairy 222
 An analysis of fertilizer prices of 1923. E. L. Worthen. Caldwell 100
 Production of disease-resistant strains of beans. R. A. Emerson. Fernow 210
 Virus diseases of potatoes and other plants. K. H. Fernow. Fernow Basement
 Abortion and related troubles. R. R. Birch. Animal Husbandry A
 What the garden gives us. Flora Thurston. Roberts 392
 Pruning young fruit trees. A. J. Heinicke. Roberts 292
 Poultry parasites and how to combat them. Internal parasites. W. A. Hagan. External parasites. G. W. Herrick. Poultry 375
 Round table: Dairy-barn arrangement, construction, and ventilation. H. W. Riley, C. E. Ladd, H. E. Ross, J. N. Frost, C. L. Allen, and J. E. Reyna. Rural Engineering Building. Repeated Friday at 10 a. m.
 Round-table: Swine raising. Leader, R. B. Hinman. Animal Husbandry C
 Demonstration: Installing a hot- and cold-water system in a kitchen. F. G. Behrends and N. D. Steve. Farm Mechanics Laboratory. Repeated Thursday at 11 a. m.
 New York State Newspaper Conference. Fernow 122. (See page 28)
- 12 m.** New varieties of fruits at the Geneva Station. Richard Wellington, New York State Experiment Station, Geneva, New York. Roberts 292
 The farm's most valuable acre—the home garden. R. M. Adams. Roberts 392

Some effects on farm management of the use of tractors, under New York conditions. W. I. Myers. Farm Management 102

Water power from a small stream. (Illustrated.) J. C. McCurdy. Rural Engineering Building. Repeated Friday at 11 a. m.

The small-grain crops in New York State, including oats, wheat, barley, rye, and buckwheat. F. P. Bussell. Fernow 210

Desirable changes in the potato certification standards. M. F. Barrus. Fernow Basement

Lawns and lawn making. R. W. Curtis. Floriculture Building

New York State Newspaper Conference. Fernow 122. (See page 28)

1 p. m. Motion pictures. Bailey Auditorium

How to produce milk with low bacteria count. W. A. Stocking. Dairy 222

Demonstration: Overshot water wheel generating electricity. Explanatory talks repeated every quarter hour. F. L. Fairbanks. Farm Mechanics Laboratory. Repeated Wednesday and Thursday at 1 p. m.

Poultry-guessing contests (thruout the day). C. E. Lee. Corridors, Poultry Building

Regular laboratory exercises and demonstrations (until 5 p. m.). Dairy Manufacturing Rooms

Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

2 p. m. The work and findings of the Joint Commission of Agricultural Inquiry appointed by the National Congress. Honorable Sidney Anderson, Minnesota. Bailey Auditorium.

How to keep a livestock account. I. F. Hall. Farm Management 102
New York Cooperative Seed Potato Association. Business session. Fernow Basement

Demonstration: Farm shop equipment. L. M. Roehl. Farm Mechanics Laboratory. Repeated Friday at 12 m.

Demonstration: Some results in horse breeding. M. Morton and E. E. Vial. Horse Barn

Demonstration: Killing hogs. C. D. Schutt. Animal Husbandry Slaughtering Room

3 p. m. Building a strong framework in young trees. L. H. MacDaniels. Roberts 292

Planning and planting rural properties. J. P. Porter. Floriculture Building
Cooperation between producer, distributor, and board of health in maintaining a high quality in milk. T. J. McInerney. Dairy 222

Forum: Lime. A. F. Gustafson, E. L. Worthen, J. H. Barron, and L. A. Dalton. Caldwell 100

Explosives in agriculture. B. B. Robb. Rural Engineering Building

Cost of man, horse, and equipment labor on some New York State farms. Results of seven years of cost accounts. C. V. Noble. Farm Management 102

The poultry-farm layout with regard to disease prevention and labor saving. W. G. Krum. Poultry 375

Round table: Discussion of methods and results of forest planting. S. N. Spring. Fernow 210

Demonstration: Tractor troubles: how to locate them and how to correct them. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory. Repeated Wednesday and Thursday at 3 p. m.

New York Cooperative Seed Potato Association. Business session. Fernow Basement

New York State Newspaper Conference. Fernow 122. (See page 28)

4 p. m. Readings: French-Canadian poems. G. A. Everett. Roberts Assembly
Conference on Land-bank problems. E. H. Thomson, President, Federal
Land Bank, Springfield, Massachusetts. Farm Management 102
Corn-variety tests for silage and grain: summary of statewide tests. M. C.
Gillis. Fernow 210

Demonstration: Buying and mixing feeds (at 4:30 p. m.). L. C. Norris and
L. A. Maynard. Animal Husbandry C

Demonstration: How our potato contests and exhibits should be planned,
arranged, and judged. E. V. Hardenburg. Vegetable Greenhouse.
Repeated Thursday at 4 p. m.

Demonstration: Farm blacksmithing. H. Asmus. Farm Mechanics Labora-
tory. Repeated Thursday at 4 p. m.

New York State Newspaper Conference. Fernow 122. (See page 28)

Junior Extension Conference. Junior Extension office, Poultry Building.

Poultry demonstrations:

Practice in balancing rations to meet special conditions. G. F. Heuser.
Poultry 174

Practice in handling lighting systems in poultry houses. F. L. Fairbanks
and W. G. Krum. Poultry 300

Practice in selecting male birds. L. M. Hurd. Poultry 350

Practice in selecting hens. R. C. Ogle. Poultry 350

Practice in selecting pullets. C. Sandford. Poultry 350

Practice in poultry-farm records and accounts. H. E. Botsford. Poultry
325

Practice in candling, grading, and packing eggs for market. C. K. Powell.
Poultry Main Entrance

Practice in preparing poultry for market, including dry and scald picking.
H. G. F. Hamann. Poultry Killing Room, Poultry Basement

Practice in poultry sanitation and disease diagnosis. J. W. Fuller and
R. C. Bradley. Poultry Basement

5 p. m. Birds in relation to agriculture. A. A. Allen. Roberts Assembly
Rope splicing and knot tying, with opportunity for practice for all present.
B. B. Robb. Caldwell 100

Motion pictures. Farm mechanics films. Farm Mechanics Laboratory.
Repeated daily at 5 p. m.

Evening

6:30 p. m. Social hour. Home Economics 245

8 p. m. Concert by the Cornell University Orchestra. George L. Coleman,
conductor. Bailey Auditorium. (No admission fee, but admission by
tickets. Tickets to be procured at registration desk, Roberts Hall.)

WEDNESDAY, FEBRUARY 14

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry
350

Demonstration: Vaccination and treatment of chicken pox. J. W. Fuller.
Poultry Killing Room, Poultry Basement

- 9 a. m. Collective bargaining. J. E. Boyle. Roberts Assembly
 Pruning the old orchard. J. Oskamp. Roberts 292. Repeated Saturday at 9 a. m.
 Farm milk houses. H. W. Riley and H. E. Ross. Dairy 222
 Alfalfa: Factors causing success or failure. L. A. Dalton. Caldwell 143
 The cost of producing milk, and some factors affecting the cost. E. G. Misner. Farm Management 102
 Sewage disposal for the farm. (Illustrated.) J. C. McCurdy. Rural Engineering Building. Repeated, in part, Friday at 3 p. m.
 Demonstration: Lightning and lightning rods. A. M. Goodman. Farm Mechanics Laboratory. Repeated Thursday at 12 m.
 Demonstration: Pipe-fitting tools. B. A. Jennings. Farm Mechanics Laboratory
 Grange Masters and Lecturers' Conference: Grange leadership. Albert Manning, Master of State Grange, presiding. The opportunities and responsibilities of grange leadership. M. C. Burritt. Fernow 122
 Recent methods of control of the cabbage maggot. G. W. Herrick. Fernow 210
 Potato storage rots. F. C. Stewart, New York State Experiment Station, Geneva, New York. Fernow Basement
 The latest information on illumination in the control of egg production. J. E. Rice. Poultry 375
 Results of beef-cattle feeding trials at Cornell. E. E. Vial. Animal Husbandry A
 Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories
 The herbaceous garden. (Illustrated.) L. A. Minns. Floriculture Building.
- 10 a. m. The powdered milk industry. G. C. Supplee. In charge of Research Laboratory, Dry Milk Company, Adams, New York. Dairy 222
 Peach culture. G. W. Peck. Roberts 292
 European greenhouses and gardens. A. H. Nehrling. Roberts 392
 How to improve permanent pastures. J. H. Barron. Caldwell 100
 How to use crop and market reports. L. J. Norton. Farm Management 102
 Water supply systems. F. G. Behrends. Rural Engineering Building
 Demonstration: Battery ignition for gas engines. F. B. Wright. Farm Mechanics Laboratory
 Demonstration: Sharpening saws and other woodworking tools. L. M. Roehl. Farm Mechanics Laboratory. Repeated Friday at 9 a. m.
 What is plant food, and where does it come from? O. F. Curtis. Stone 192
 How to enlist new leadership in the grange. Dwight Sanderson. Fernow 122
 Measuring the crop of timber in the woodlot. J. Bentley, jr. Fernow 210
 Does it pay to grade potatoes and other vegetables? H. W. Sampson, United States Department of Agriculture, Washington, D. C. Fernow Basement
 Practical experiences in the development of a poultry and fruit farm in the Hudson River Valley. O. D. Bacher, Rock Tavern, New York. Poultry 375
 Better dairy farming. H. A. Hopper. Animal Husbandry A
 Swine buildings and equipment. R. B. Hinman. College Piggery

- 11 a. m.** Second lecture on prices: Relation of industrial conditions to agricultural conditions. G. F. Warren. Roberts Assembly
- The danger from recently introduced insect pests. (Illustrated.) E. P. Felt, State Entomologist, Albany, New York. Roberts 292
- What makes a garden. (Illustrated.) F. A. Waugh, Massachusetts Agricultural College, Amherst, Massachusetts. Roberts 392
- Dairy products and the newer science of nutrition in relation to the farmer's business. A. W. Peters. Dairy 222
- Can we afford to let the land become depleted of organic matter? A. F. Gustafson. Caldwell 100
- Better seed, and the methods of getting it distributed to growers in New York State. F. P. Bussell. Caldwell 143
- Eveners of the usual two- and three-horse types; their exact adjustment for horses of unequal weights or of unequal powers of endurance. H. W. Riley. Rural Engineering Building. Repeated Saturday at 10 a. m.
- Rural drama. Elizabeth Lay Green. Fernow 122
- Better seed for vegetable growers. Paul Work. Fernow 210
- Potato-tuber indexing as a means of combating tuber-borne diseases. F. M. Blodgett. Fernow Basement
- How to control lights in poultry houses. Illustrated by control appliances and charts showing efficient and inefficient installations. F. L. Fairbanks. Poultry 375
- Conference of dairy-cattle breeders (until 1 p. m.). Leader, H. H. Wing. Animal Husbandry A
- Conference of beef-cattle breeders (until 1 p. m.). Leader, R. B. Hinman. Animal Husbandry C
- Demonstration: Soldering. G. B. Lyon. Farm Mechanics Laboratory. Repeated Thursday at 2 p. m. and Saturday at 11 a. m.
- 12 m.** Play in the home. E. C. Lindeman, Executive Secretary, American Country Life Association, High Bridge, New Jersey. Fernow 122
- Garden roses. (Illustrated.) A. C. Beal. Roberts 392
- The cost of feed and implement credit. L. Spencer. Farm Management 102
- Gasoline-engine lubrication and care. F. G. Behrends. Rural Engineering Building. Repeated Saturday at 9 a. m.
- An early start for vegetable plants. H. W. Schneck. Fernow 210
- Yellow dwarf of potatoes. (Illustrated.) Charles Chupp. Fernow Basement
- 1 p. m.** Motion pictures. Bailey Auditorium
- Meeting city health board requirements for market milk. J. D. Brew. Dairy 222
- Annual meeting: New York State Cooperative Poultry Certification Association, Inc. Poultry 375. (See page 26)
- Poultry-guessing contests (thruout the day). C. E. Lee. Corridors, Poultry Building
- Demonstration: Overshot water wheel generating electricity. Explanatory talk repeated every quarter hour. F. L. Fairbanks. Farm Mechanics Laboratory. Repeated Thursday at 1 p. m.
- Regular laboratory exercises and demonstrations (until 5 p. m.). Dairy Manufacturing Rooms
- Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

2 p. m. What shall the farmer do? Eugene Davenport, Dean emeritus, College of Agriculture, University of Illinois, Urbana, Illinois. Bailey Auditorium.

Labor incomes: cost of milk and cost of raising heifers on Chenango and Madison County farms. E. G. Misner. Farm Management 102

New York Cooperative Seed Potato Association. Business session. Fernow Basement

Meeting of poultrymen to organize New York State Poultry Council. Poultry 375

Demonstration: Belt lacing, with opportunity for practice by those present. F. B. Wright and M. H. Phillips. Farm Mechanics Laboratory. Repeated Friday at 2 p. m.

Demonstration: Some results in horse breeding. M. Morton and E. E. Vial. Horse Barn

Demonstration: Killing lambs. C. D. Schutt. Animal Husbandry Slaughtering Room

3 p. m. Some aspects of the independent farmer-owned cooperative milk companies. Morgan B. Garlock, President, Eastern States Milk Producers, Inc., Utica, New York. Dairy 222

Programs for the improvement of agriculture. G. F. Warren. Roberts Assembly

Results of experiments with dusts and sprays in apple orchards. P. J. Parrott, New York State Experiment Station, Geneva, New York. Roberts 292

Alumni Association of the New York State College of Agriculture (until 5 p. m.). Roberts 392. (See page 22)

Forum: Fertilizers (until 5 p. m.). E. L. Worthen, A. F. Gustafson, J. H. Barron, and L. A. Dalton. Caldwell 100

How to keep a simple record of farm receipts and expenses. I. F. Hall. Farm Management 102

Concrete on the farm. (Illustrated.) J. C. McCurdy. Farm Mechanics Laboratory

Demonstration: Tractor troubles: how to locate them and correct them. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory. Repeated Thursday at 3 p. m.

Conference of Indian farmers and homemakers (until 5 p. m.). Stone 192

Round table: Community-development work of farm and home bureaus (until 5 p. m.). Fernow 122. (See page 27)

Profitable celery production. H. C. Thompson. Fernow 210

How to feed poultry under illumination. G. F. Heuser. Poultry 375

Farmers' competitive cow judging. H. H. Wing. Judging Pavilion

Round table: Annuals and herbaceous perennials: their propagation and use. Floriculture Building

Demonstration: Methods for determining the bacteria count in milk. E. E. Pittman. Dairy Laboratories

4 p. m. A thousand miles on the Nile. (Illustrated.) E. P. Andrews. Roberts Assembly

Raspberry diseases, especially mosaic, leaf curl, and blue-stem, and their control. W. H. Rankin, New York State Experiment Station, Geneva, New York, Roberts 292

Question box: Farm-management problems. G. F. Warren. Farm Management 102

Rural Community Conference. Fernow 122. (See page 27)

Diseases of cabbage and of other vegetables. Charles Chupp. Fernow 210

Demonstration: Buying and mixing feeds (at 4.30 p. m.). L. C. Norris and L. A. Maynard. Animal Husbandry C

Demonstration: Harness repairing. L. M. Roehl. Farm Mechanics Laboratory. Repeated Friday at 4 p. m.

Poultry demonstrations:

Practice in balancing rations to meet special conditions. G. F. Heuser. Poultry 174

Practice in handling lighting systems in poultry houses. F. L. Fairbanks and W. G. Krum. Poultry 300

Practice in selecting male birds. L. M. Hurd. Poultry 350

Practice in selecting hens. R. C. Ogle. Poultry 350

Practice in selecting pullets. C. Sandford. Poultry 350

Practice in poultry-farm records and accounts. H. E. Botsford. Poultry 325

Practice in candling, grading, and packing eggs for market. C. K. Powell. Poultry Main Entrance

Practice in preparing poultry for market, including dry and scald picking. H. G. F. Hamann. Poultry Killing Room, Poultry Basement

Practice in poultry sanitation and disease diagnosis. J. W. Fuller and R. C. Bradley. Poultry Basement

5 p. m. Reading of *Enoch Arden*, with piano accompaniment. George C. Williams, Ithaca Conservatory of Music, accompanied by Bert Rogers Lyon, Ithaca Conservatory of Music. Roberts Assembly.

Motion pictures. Farm mechanics films. Farm Mechanics Laboratory
Repeated daily at 5 p. m.

Evening

6 p. m. Livestockmen's dinner.

6:30 p. m. Social hour. Home Economics 345

Informal reception and supper for all former regular, special, and winter-course students and members of the faculty. Tickets must be obtained at information booth before 12 m.

7:30 p. m. Chemistry of lime. (Illustrated.) G. W. Cavanaugh. Caldwell 100

8:30 p. m. In partnership with the farmer. A pageant of American farm life, by Mrs. G. Thomas Powell, Glen Head, New York. Bailey Auditorium

THURSDAY, FEBRUARY 15

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

Demonstration: Vaccination and treatment of chicken pox. J. W. Fuller. Poultry Killing Room, Poultry Basement

Livestock judging contest. Teams from high schools and State schools (at 8:30 a. m.). Judging Pavilion

9 a. m. Udder troubles. J. N. Frost. Animal Husbandry A

Wheat and oat varieties best adapted to New York: the present status of the situation. H. H. Love. Fernow 210

Grange Masters' and Lecturers' Conference: The grange program. F. J. Riley, Secretary of the State Grange, presiding.

What constitutes a good program, and how to organize it. Rev. J. Scott King, Lecturer, Orange County Pomona, Little Britain, New York. Fernow 122

The future for dairying in New York State. George E. Hogue, Assistant Commissioner, Department of Farms and Markets, Albany, New York. Dairy 222

Orchard-soil management and fertility problems. A. J. Heinicke. Roberts 292

Potato dusting. O. C. Boyd. Roberts 392

Some general results of ten years of farm cost accounting. G. F. Warren. Farm Management 102

What is the most profitable use of farm manure? A. F. Gustafson. Caldwell 143

Gas-engine principles. F. G. Behrends. Rural Engineering Building
Some cultural factors which influence the yield of field beans. E. V. Hardenburg. Fernow Basement

Propagation of woody plants (cuttings). C. E. Hunn. Floriculture Building

Selecting hens for egg production by means of external characteristics (until 9:30 a. m.). R. C. Ogle. Poultry 375

Selecting pullets for egg production by means of external characteristics (at 9:30). C. Sandford. Poultry 375

Demonstration: Ford automobile engine taken out of chassis and replaced. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory

10 a. m. Farm bureau fundamentals. Enos Lee, President of the State Farm Bureau Federation, Yorktown, New York. Roberts Assembly

Selecting male birds for breeding for egg production. L. M. Hurd. Poultry 375

The production and use of dairy products in the United States. C. W. Larson, Chief of Dairy Division, United States Department of Agriculture, Washington, D. C. Dairy 222

Fruit packing-house management. R. W. Rees, Western New York Association of Cooperative Central Packing Houses, Inc., Rochester, New York. Roberts 292

Ornamental plants for home planting. R. W. Curtis. Roberts 392

Rural Education Conference: Can the citizen contribute anything to education other than the payment of taxes? (until 12 m.) Caldwell 100. (See page 28)

Silage production: improving food value and palatability. L. A. Dalton. Caldwell 143

How to use a bank. W. I. Myers. Farm Management 102

Farm drainage. A. M. Goodman. Rural Engineering Building

Grange Masters' and Lecturers' Conference. Fernow 122. (See page 23)

Asparagus as a spring cash crop. F. O. Underwood. Fernow Basement

The preservative treatment of fence posts and other farm timbers. C. H. Guise. Fernow 210

Demonstration: Ford automobile engine overhauled. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory

Demonstration: Docking and castrating lambs. W. T. Grams. Sheep Barn

Demonstration: Swine buildings and equipment. R. B. Hinman. College Piggery

11 a. m. Third lecture on prices: Prices of farm products, and probable future prices. G. F. Warren. Roberts Assembly

Importance of breeding for egg quality. C. K. Powell. Poultry 375

Vegetable crops for the general farm. H. C. Thompson. Fernow Basement

Forestry: its relation to the social and the economic progress of a community. R. S. Hosmer. Fernow 210

The job of the country church. Reverend E. J. Ruliffson, Deansboro, New York. Barnes Hall

Tractor draft and plow adjustment. F. L. Fairbanks. Rural Engineering Building

Bacterial control as applied to market milk. W. H. Marcussen, Assistant Manager, Borden Milk Company, New York City. Dairy 222

Recent methods of control of the peach tree borer, with remarks on some other fruit pests. G. W. Herrick. Roberts 292

Wild flowers for the home grounds. K. M. Wiegand. Roberts 392

Rural Education Conference. Caldwell 100. (See page 28)

"Leguming" land. E. L. Worthen. Caldwell 143

Round table: Outlook for sheep and wool growers. Leader, W. T. Grams. Animal Husbandry C

Demonstration: Installing a hot- and cold-water system in a kitchen. F. G. Behrends and M. H. Phillips. Farm Mechanics Laboratory

12 m. Livestock parade in front of Roberts Hall, starting at Animal Husbandry Building at 11:45 a. m.

How to care for the sewing machine. B. B. Robb. Home Economics 245

Evergreens and berry bearing shrubs for home planting. Henry Hicks, Hicks Nurseries, Westbury, Long Island. Roberts 392

Why some farms pay better than others (fruit farming). G. P. Scoville. Farm Management 102

Lightning and lightning rods. A. M. Goodman. Rural Engineering Building

The Sunday school and the community. Reverend Frank Anderson, District Sunday School Superintendent, Albany, New York. Barnes Hall

Nut trees: varieties, and their culture. L. H. MacDaniels, Roberts 292

1 p. m. Motion pictures. Bailey Auditorium

Current events of importance to dairymen. H. E. Cook, Certified Milk Producer, Denmark, New York. Dairy 222

Demonstration: Overshot water wheel generating electricity. Explanatory talk repeated every quarter hour. F. L. Fairbanks. Farm Mechanics Laboratory

Poultry-guessing contests (thruout the day). C. E. Lee. Corridors, Poultry Building

New York State Cooperative Poultry Certification Association. Business Meeting. Poultry 375

2 p. m. Watchman, what of the night? S. J. Lowell, Master of the National Grange, Fredonia, New York. Bailey Auditorium

Cost of producing some New York State crops. Results of seven years of cost accounts. C. V. Noble. Farm Management 102

Demonstration: Soldering. G. B. Lyon. Farm Mechanics Laboratory.
Repeated Saturday at 11 a. m.

Demonstration: Some results in horse breeding. M. Morton and E. E. Vial. Horse Barn

Students' livestock show. Judging Pavilion

New York State Poultry Council. Organization Meeting. Poultry 375

3 p. m. Relation of transportation to agriculture. Edward Hungerford, Rochester, New York. Roberts Assembly

Cooperative merchandising. Stanley Q. Grady, Director of Sales and Advertising, Dairymen's League, Utica, New York. Dairy 222

The best varieties of fruit for New York. U. P. Hedrick, New York State Experiment Station, Geneva, New York. Roberts 292

Forum: Legumes. Discussion of the methods involved in producing and handling forage crops (until 5 p. m.). J. H. Barron, E. L. Worthen, A. F. Gustafson, and L. A. Dalton. Caldwell 100

A breeding program for New York State poultrymen. J. E. Rice. Poultry 375

Does hill selection of potatoes pay? C. H. Myers. Fernow 210

The community church and county federations of churches. Reverend B. F. Lamb, Secretary, Ohio Federation of Churches, Columbus, Ohio. Barnes Hall

Hydraulic rams. H. W. Riley. Rural Engineering Building

Cost and use of motor trucks on New York farms. V. B. Hart. Farm Management 102

Round table: Woody-plant material: its propagation and use. Floriculture Building

New York State Vegetable Growers' Association. President R. W. McClure, presiding. Organization of vegetable growers. Leader, Paul Work. Fernow Basement

Demonstration: Preservative treatment of fence posts with creosote (until 5 p. m.). C. H. Guise. Fernow Basement

Demonstration: Tractor troubles: how to locate them and how to correct them. B. A. Jennings and F. B. Wright. Farm Mechanics Laboratory

4 p. m. Farming in Sicily. Anna Botsford Comstock. Roberts Assembly
The dairyman and the times. E. R. Eastman, Editor, *American Agriculturalist*, New York City. Dairy 222

Apple storage. D. B. Carrick. Roberts 292

Round table: The present and the future of the New York State Vegetable Growers' Association. Leader, C. E. Haw, secretary. Fernow Basement

Round table: Conference on the community church. Barnes Hall. (See page 27)

Question box: Farm-management problems. G. F. Warren. Farm Management 102

Forum: Legumes. Caldwell 100

Round table: Measuring, harvesting, and marketing timber and lumber from the farm woodlot. John Bentley, jr. Fernow 122

Demonstration: Farm blacksmithing. H. Asmus. Farm Mechanics Laboratory

Demonstration: Buying and mixing feeds (at 4:30 p. m.). L. C. Norris and L. A. Maynard. Animal Husbandry C

Demonstration: How our potato contests and exhibits should be planned, arranged, and judged. E. V. Hardenburg. Vegetable Greenhouse

Poultry demonstrations:

Practice in balancing rations to meet special conditions. G. F. Heuser. Poultry 174

Practice in handling lighting systems in poultry houses. F. L. Fairbanks and W. G. Krum. Poultry 300

Practice in selecting male birds. L. M. Hurd. Poultry 350

Practice in selecting hens. R. C. Ogle. Poultry 350

Practice in selecting pullets. C. Sandford. Poultry 350

Practice in poultry-farm records and accounts. H. E. Botsford. Poultry 325

Practice in candling, grading, and packing eggs for market. C. K. Powell. Poultry Main Entrance

Practice in preparing poultry for market, including dry and scald picking. H. G. F. Hamann. Poultry Killing Room, Poultry Basement

Practice in poultry sanitation and disease diagnosis. J. W. Fuller and R. C. Bradley. Poultry Basement

5 p. m. Organ recital. James T. Quarles, organist. Bailey Auditorium
Motion pictures. Farm mechanics films. Farm Mechanics Laboratory.
Repeated daily at 5 p. m.

Motion pictures. Production of agricultural limestone. Explanations by Mr. Bradley and A. F. Gustafson. Caldwell 100

Evening

6:30 p. m. Social hour. Home Economics 245

8 p. m. Eastman Stage contest. Fourteenth annual speaking contest for a prize of \$120 given by A. R. Eastman. Bailey Auditorium

FRIDAY, FEBRUARY 16

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

Demonstration: Vaccination and treatment of chicken pox. J. W. Fuller. Poultry Killing Room, Poultry Basement

9 a. m. Grange Masters' and Lecturers' Conference: The grange meeting. S. L. Strivings, Overseer, State Grange, presiding.

How to conduct a meeting. Raymond Hitchings, Master, Onondaga County Pomona. Fernow 122

The minerals necessary in animal feeding. L. A. Maynard. Animal Husbandry A

The poultry industry in Washington, Oregon, and California in 1922. J. E. Rice. Poultry 375

The pruning, culture, and fertilization of the vineyard. J. Oskamp. Roberts 292

Recent progress in the potato industry. E. V. Hardenburg. Roberts 392

The Babcock fat test, and the relative values of milk of different compositions. H. C. Troy. Dairy 222

The use of the Rural School Leaflet. E. L. Palmer. Caldwell 100

Sweet clover: its possibilities and its limitations. J. H. Barron. Caldwell 143

Milk marketing in New York. L. J. Norton. Farm Management 102

Dairy-barn arrangement, construction, and ventilation (to be followed by round-table discussion). H. W. Riley. Rural Engineering Building

Demonstration: Sharpening saws and other woodworking tools. L. M. Roehl. Farm Mechanics Laboratory

Demonstration: Meat cutting: beef (at 9 a. m.); lamb (at 9:30 a. m.). C. D. Schutt. Animal Husbandry Slaughtering Room

Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

10 a. m. A program for agricultural research. R. W. Thatcher, Director, New York State Experiment Station, Geneva, New York. Roberts Assembly

The social side of the grange meeting. Reverend J. Scott King. Fernow 122

The outlook for horse breeding. M. W. Harper. Animal Husbandry A
What the College is doing to aid the farmers in the control of insect pests. C. R. Crosby. Roberts 292

Potato growing in Bermuda. (Illustrated.) H. H. Whetzel. Roberts 392

Some creamery-management problems. E. S. Guthrie. Dairy 222

Nature study and literature. Anna Botsford Comstock. Caldwell 100

The economic purchase and use of lime for New York soils. A. F. Gustafson. Caldwell 143

Increasing the yield of potatoes by selection. J. R. Livermore. Fernow 210

Canning-crop yields and profits. H. S. Mills. Fernow Basement

Methods of keeping poultry-farm records and accounts, and results in New York State. H. E. Botsford. Poultry 375

Round table: The results accomplished to date, by New York farmers, in their efforts to improve marketing conditions (until 12 p. m.). H. E. Babcock, Manager, Grange League Federation Exchange, Syracuse, New York. Farm Management 102

Round table: Dairy-barn arrangement, construction, and ventilation. H. W. Riley, H. E. Ross, J. N. Frost, C. E. Ladd, C. L. Allen, and J. E. Reyna. Rural Engineering Building

Demonstration: Overhauling a single-cylinder gas engine. F. B. Wright. Farm Mechanics Laboratory

Demonstration: Putting up line shafting, and determining belt and pulley sizes. N. D. Steve. Farm Mechanics Laboratory

Demonstration: Meat cutting (hogs). C. D. Schutt. Animal Husbandry Slaughtering Room

11 a. m. Economic and political consequences of the agricultural depression. Berne A. Pyrke, Commissioner of Farms and Markets, Albany, New York. Roberts Assembly

Making maple syrup and sugar a worth-while crop. G. H. Collingwood. Fernow 122

Selection for disease resistance in cabbage. C. H. Myers. Fernow Basement

What the garden gives us. Flora Thurston. Roberts 392

Emergency hay crops. L. A. Dalton. Caldwell 143

Water power from a small stream. F. L. Fairbanks. Rural Engineering Building

Round table: Special orchard problems. W. H. Chandler. Roberts 292

The new Dairy Building, and the work of the Department. W. A. Stocking. Dairy 222

Conference with teachers. E. L. Palmer. Caldwell 100

Experimental results in the renovation of old pastures. R. G. Wiggans. Fernow 210

Lessons from the year's experience in visiting poultry farms in New York State. L. M. Hurd. Poultry 375

Round table: Bovine tuberculosis. Leader, H. J. Metzger. Animal Husbandry A

Demonstration: Gas-engine timing. B. A. Jennings. Farm Mechanics Laboratory

12 m. The farm's most valuable acre—the home garden. R. M. Adams. Roberts 392

Hot and cold running water in the home. F. G. Behrends. Rural Engineering Building.

Cabbage as a fall cash crop. F. O. Underwood. Fernow Basement

Artificial control of the time of blossoming of plants. O. F. Curtis. Floriculture Building

Demonstration: Farm shop equipment. L. M. Roehl. Farm Mechanics Laboratory

1 p. m. Motion pictures. Bailey Auditorium

Farm milk houses. H. W. Riley and H. E. Ross. Dairy 222

Poultry-guessing contests (thruout the day). C. E. Lee. Corridors, Poultry Building

Demonstration: Quality in dairy products (until 4 p. m.). E. S. Guthrie. Dairy Laboratories

Regular laboratory exercises and demonstrations (until 5 p. m.). Dairy Manufacturing Rooms

2 p. m. Progressive tendencies in rural education. Charles H. Judd, University of Chicago, Chicago, Illinois. Bailey Auditorium

How to take a farm inventory and make a credit statement. L. Spencer. Farm Management 102

Demonstration: Belt lacing, with opportunity provided for practice for those present. M. H. Phillips. Farm Mechanics Laboratory

Sale of surplus stock. Judging Pavilion

3 p. m. Working-over undesirable varieties of fruit. G. W. Peck. Roberts 292

Using government crop reports as a help in forecasting the prices and the production of potatoes, cabbage, apples, and hay. G. P. Scoville. Dairy 222

How to keep an account to determine the cost of production of a crop. V. B. Hart. Farm Management 102

Farm pumps. F. B. Wright. Rural Engineering Building.

Demonstration: Teaching and supervision; teachers and superintendents (until 4.45 p. m.). O. G. Brim. Caldwell 100

How we get the most money for our eggs. C. K. Powell. Poultry 375

Forum: The cost of producing maple syrup and maple sugar, based on figures collected in New York and Vermont during the past two years. M. P. Rasmussen and G. H. Collingwood. Fernow 122

Demonstration: Methods for determining the bacteria count in milk. M. P. Moon. Dairy Laboratories

Demonstration: Magneto timing. B. A. Jennings. Farm Mechanics Laboratory

Demonstration: Installing bathroom equipment and a sewage-disposal system. F. G. Behrends, J. C. McCurdy, and M. H. Phillips. Farm Mechanics Laboratory

4 p. m. The home life of birds. (Illustrated.) A. A. Allen. Roberts Assembly
Conference on farm accounts. V. B. Hart. Farm Management 102

Demonstration: Harness repairing. L. M. Roehl. Farm Mechanics Laboratory

Demonstration: Buying and mixing feeds (at 4:30 p. m.). L. C. Norris and L. A. Maynard. Animal Husbandry C

Poultry demonstrations:

Practice in balancing rations to meet special conditions. G. F. Heuser. Poultry 174

Practice in handling lighting systems in poultry houses. F. L. Fairbanks and W. G. Krum. Poultry 300

Practice in selecting male birds. L. M. Hurd. Poultry 350

Practice in selecting hens. R. C. Ogle. Poultry 350

Practice in selecting pullets. C. Sandford. Poultry 350

Practice in candling, grading, and packing eggs for market. C. K. Powell. Poultry Main Entrance

Practice in preparing poultry for market, including dry and scald picking. H. G. F. Hamann. Poultry Killing Room, Poultry Basement

Practice in poultry sanitation and disease diagnosis. J. W. Fuller and R. C. Bradley. Poultry Basement

5 p. m. Community singing. C. W. Whitney. Roberts Assembly
Motion pictures. Farm mechanics films. Farm Mechanics Laboratory
Reception to teachers and superintendents, by members of the Department of Rural Education. Barnes Hall

Evening

6:30 p. m. Social hour. Home Economics 245

8 p. m. Kermis: A play written and produced by students of the College. (An admission fee will be charged, and the proceeds will be used for student activities.) Bailey Auditorium

SATURDAY, FEBRUARY 17

(For Homemakers' Conference program, see page 23)

8 a. m. Demonstration and practice in caponizing. H. E. Botsford. Poultry 350

Demonstration: Vaccination and treatment of chicken pox. J. W. Fuller. Poultry Killing Room, Poultry Basement

9 a. m. Pruning the old orchard. J. Oskamp. Roberts 292

Demonstration: Care of the milking machine on the farm. J. D. Brew. Dairy 222

Alfalfa: factors causing success or failure. L. A. Dalton. Caldwell 100

How some New York farmers have rearranged their farm layouts. W. I. Myers. Farm Management 102

Gasoline-engine lubrication and care. F. L. Fairbanks. Rural Engineering Building.

Results of the year in handling the Long Island poultry farm management project. R. C. Ogle. Poultry 375

Demonstration: Home-garden equipment and practices (until 11 a. m.).
H. W. Schneck. Vegetable Greenhouse

10 a. m. Suggestions for the planting and care of small fruits. G. W. Peck.
Roberts 292

Storage and use of ice on the dairy farm. W. E. Ayres. Dairy 222

An analysis of the fertilizer program for 1923. E. L. Worthen. Caldwell
100

Hay marketing. J. E. Boyle. Farm Management 102

Eveners of the usual two- and three-horse types, and their exact adjustment
for horses of unequal weights or of unequal powers of endurance. H. W.
Riley. Rural Engineering Building

Demonstration: Electric equipment of a Ford automobile. B. A. Jennings.
Farm Mechanics Laboratory

Results of the year in handling the Hudson Valley poultry farm management
project. C. Sandford. Poultry 375

11 a. m. Prices of farm products, and probable future prices. (A summary of
the previous lectures on prices.) G. F. Warren. Roberts Assembly

Demonstration: Soldering. G. B. Lyon. Farm Mechanics Laboratory

The causes of success or failure in handling poultry-project work. J. E.
Rice. Poultry 375

SUNDAY, FEBRUARY 18

11 a. m. Morning service, conducted by the Reverend Bernard Iddings Bell,
President, Saint Stephen's College, Annandale-on-Hudson. Sage Chapel

3:30 p. m. Vesper service (chiefly musical). Reverend Mr. Bell. Sage Chapel



Main Group of the College of Agriculture

CONVENTIONS AND CONFERENCES

ALUMNI ASSOCIATION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE

President—GIRARD HAMMOND, Utica, New York
 Vice president—CARL E. LADD, Ithaca, New York
 Vice president—Mrs. PAUL W. WING, Little Falls, New York
 Vice president—I. C. H. COOK, South Byron, New York
 Secretary-treasurer—L. W. CRITTENDEN, Albany, New York

WEDNESDAY, FEBRUARY 14

Roberts 392

- 3 p. m. Progress of the College of Agriculture. Dean A. R. Mann
 4 p. m. Annual business meeting
 6:30 p. m. Informal reception and supper for all former regular, special, and winter-course students and members of the faculty. Tickets must be obtained at Information Booth, Roberts Hall, before 12 o'clock.

CORNELL DAIRY STUDENTS' ASSOCIATION

President—F. M. KELLY, Rhinebeck, New York
 Vice president—C. R. OWENS, Freedom, New York
 Secretary—H. L. WILSON, Washington, D. C.
 Assistant secretary—
 Treasurer—E. R. STANFORD, Ithaca, New York
 Secretary at the College—W. E. AYERS, Ithaca, New York

THURSDAY, FEBRUARY 15

Dairy 222

- 9 a. m. The future for dairying in New York State. George E. Hogue
 10 a. m. The production and use of dairy products in the United States.
 C. W. Larson
 11 a. m. Bacterial control as applied to market milk. W. H. Marcussen
 1 p. m. Current events of importance to dairymen. H. E. Cook
 3 p. m. Cooperative merchandising. Stanley Q. Grady
 4 p. m. The dairymen and the times. E. R. Eastman
 5-6 p. m. Annual business meeting, election of officers, and round table
 6:30 p. m. Annual banquet of the Cornell Dairy Students' Association

CONFERENCE OF GRANGE MASTERS AND LECTURERS

WEDNESDAY, FEBRUARY 14

Fernow 122

Grange Leadership

Albert Manning, Master of State Grange, presiding

- 9 a. m. The opportunities and responsibilities of grange leadership.
M. C. Burritt
- 10 a. m. How to enlist new leadership. Dwight Sanderson

THURSDAY, FEBRUARY 15

Fernow 122

Grange Program

P. J. Riley, Secretary of State Grange, presiding

- 9 a. m. What constitutes a good program, and how to organize it. Rev.
J. Scott King, Lecturer, Orange County Pomona, Little Britain,
New York
- 10 a. m. Successful grange programs.
Wilbur Chase, Hilton, New York
Mrs. Frank Cromwell, Coldwater, New York

FRIDAY, FEBRUARY 16

Fernow 122

The Grange Meeting

S. L. Strivings, Overseer of State Grange, presiding

- 9 a. m. How to conduct a meeting. Raymond Hitchings, Master, Onon-
daga County Pomona, Syracuse, New York
- 10 a. m. The social side of the meeting. Rev. J. Scott King

HOMEMAKERS' CONFERENCE

Home Economics Building

MONDAY, FEBRUARY 12

- 3 p. m. Home economics at the State College. (Illustrated.) Room 245
- 6:30-7:30 p.m. Social hour. In charge of Claribel Nye. Room 245

TUESDAY, FEBRUARY 13

- 9 a. m. Renovating old furniture. Ann Watkins. Room 245
Labor savers. Ruth Kellogg. Room 300

- 10 a. m. Home furnishings: making the best of them. Annette J. Warner. Room 245
- 11 a. m. Assets in rural living. Sarah Louise Arnold, Dean emeritus, Simmons College, Boston, Massachusetts. Room 245
- 12 m. Homemaking books in the home library. Alice Blinn. Room 245
- 2 p. m. Problems in color and design. Dora Wetherbee. Room 415
- 2-4 p. m. Fruit dishes. A demonstration. Lucile Brewer. Room 245
- 6:30-7:30 p. m. Social hour. In charge of Claribel Nye. Room 245

WEDNESDAY, FEBRUARY 14

- 9 a. m. Making the ready-to-wear garment yours. Ruth Jakway. Room 245
Labor savers. Ruth Kellogg. Room 300
- 10 a. m. Prenatal care. Dr. M. Louise Diez. New York State Department of Health, Albany, New York. Room 245
- 11 a. m. Contributions of the rural home to American ideals. Sarah Louise Arnold. Room 245
- 12 m. Feeding the child. Mary Henry. Room 100
- 2 p. m.
- 3-5 p. m. Formal and simple entertaining, followed by a reception to those attending the Homemakers' Conference. Room 245
- 4-6 p. m. Personal conferences with Dr. Diez and Ada B. Coffey. New York State Department of Health, Albany, New York. Apartment
- 6:30-7:30 p. m. Social hour. In charge of Claribel Nye. Room 245

THURSDAY, FEBRUARY 15

- 9 a. m. Changing food habits. Flora Thurston. Room 245
Labor savers. Ruth Kellogg. Room 300
- 10 a. m. Community aspects of nutrition. Flora Rose. Room 245
- 11 a. m. The homemaker and the present rural economic situation. Martha Van Rensselaer. Room 245
- 12 m. How to care for the sewing machine. B. B. Robb. Room 245
- 2 p. m. Modern home dyeing. Martha Jane Phillips. North American Dye Corporation. Room 245
- 3 p. m. Some social usages. Demonstration conducted by staff and freshmen. Room 245
- 6:30-7:30 p. m. Social hour. In charge of Claribel Nye. Room 245

FRIDAY, FEBRUARY 16

- 9 a. m. Modern home dyeing. Martha Jane Phillips. Room 245
Labor savers. Ruth Kellogg. Room 300
- 10 a. m. Civics and homemaking. General discussion. Room 245
- 11 a. m. A housekeeper's score card. General discussion. Room 245
- 12 m. Health protection in the home. Ellen Reynolds. Room 245
- 2-3 p. m. Fashion show. Beatrice Hunter. Room 245
- 4 p. m. Chapters in the lives of the home demonstration agents. By the agents themselves. Room 245
- 6:30-7:30 p. m. Social hour. In charge of Claribel Nye. Room 245

SATURDAY, FEBRUARY 17

- 12 m. Question box opened. Questions answered by staff and audience.
A summary of the Homemakers' Conference. Room 245

See general Farmers' Week program for schedule of evening entertainments and for lectures in other departments of interest to homemakers.

Visitors may leave questions in a box in the Home Economics Building, to be answered at 9 o'clock Saturday in Room 245.

Tea will be served in the Home Economics Apartment from 4:30 to 6 from Monday to Friday, inclusive, except Wednesday.

NEW YORK FEDERATION OF HORTICULTURAL SOCIETIES AND FLORAL CLUBS

FRIDAY, FEBRUARY 16

Floriculture Building

- 9 a. m. The retail trade. Stanley Barnes
- 10 a. m. Potted plants for commercial purposes. Ivan Ringdahl
- 11 a. m. Business management in flower production and sale. H. P. Knoble
- 12 m. Artificial control of the time of blossoming of plants. O. F. Curtis
- 1 p. m. Dinner of New York Federation of Horticultural Societies and Floral Clubs, followed by business meeting

NEW YORK COOPERATIVE SEED POTATO ASSOCIATION, INC.

President—E. E. HULTS, Marathon, New York
Vice president—CHARLES HUFF, Moravia, New York
Secretary-treasurer—J. M. HURLEY, Syracuse, New York

TUESDAY, FEBRUARY 13

Fernow Basement

- 10 a. m. Potato insects of importance in New York. G. W. Herrick

- 11 a. m. Virus diseases of potatoes and other plants. K. H. Fernow
- 12 m. Desirable changes in the potato certification standards. M. F. Barrus
- 2-4 p. m. Business session. Reports of committees and discussion of plans for next year.

WEDNESDAY, FEBRUARY 14

Fernow Basement

- 9 a. m. Potato storage rots. F. C. Stewart
- 10 a. m. Does it pay to grade potatoes and other vegetables? H. W. Sampson
- 11 a. m. Potato tuber indexing as a means of combating tuber-borne diseases. F. M. Blodgett
- 12 m. Yellow dwarf of potatoes. (Illustrated.) Charles Chupp
- 2-4 p. m. Final business meeting. Election of officers

ANNUAL MEETING OF THE NEW YORK STATE CO-OPERATIVE POULTRY CERTIFICATION ASSOCIATION, INC.

President—M. C. PORTER, Rodman, New York
 Secretary-treasurer—CLARA W. HASTINGS, Homer, New York
 Directors—O. BACHER, Rock Tavern, New York
 —M. M. GRIFFITH, New Hartford, New York
 —R. S. MOSELEY, East Aurora, New York
 —H. A. MOSELEY, Buskirk, New York
 —L. P. PLEASANTS, Sag Harbor, New York
 —C. A. ROGERS, Bergen, New York
 —F. A. SALISBURY, Phelps, New York

WEDNESDAY, FEBRUARY 14

Poultry 375

- 1 p. m. Business meeting

THURSDAY, FEBRUARY 15

Poultry 375

- 1 p. m. Business meeting

NEW YORK STATE POULTRY COUNCIL

Committee

Chairman—C. H. WILLIAMS, Buffalo, New York
 Secretary—E. D. BACHER, Rock Tavern, New York
 ROBERT SEAMAN, Nassau County, Jericho, Long Island
 H. W. FOOTE, Tioga County, Candor, New York
 S. P. WEED, Saratoga County, Ballston Spa, New York
 L. H. ROBINSON, Wyoming County, Castile, New York

WEDNESDAY, FEBRUARY 14**Poultry 375**

- 2 p. m.** Organization meeting
Meeting of delegate representatives from various counties of the State

THURSDAY, FEBRUARY 15**Poultry 375**

- 2 p. m.** Organization meeting
Poultrymen from various counties of the State are invited to attend this meeting

RURAL COMMUNITY CONFERENCE**WEDNESDAY, FEBRUARY 14****Fernow 122**

- 11 a. m.** Rural drama. Elizabeth Lay Green
- 12 m.** Play in the home. E. C. Lindeman, Executive Secretary, American Country Life Association, High Bridge, New Jersey
- 3 p. m.** Round-table discussion on community-development work of farm and home bureaus. Ruby Green Smith, and K. D. Scott, County Agent, Warren County, Warrensburg, New York
- 4 p. m.** Round-table discussion on community-development work of farm and home bureaus (*continued*)
- Community meetings. Miss Vera McCrea, Tompkins County
Community drama. Mrs. E. L. Baker, Genesee County
Basketball league. R. P. Anderson, Cayuga County

THURSDAY, FEBRUARY 15**Barnes Hall**

- 11 a. m.** The job of the country church. Rev. E. J. Ruliffson, Deansboro, New York
- 12 m.** The Sunday school and the community. Rev. Frank Anderson, District Sunday School Superintendent, Auburn, New York
- 1 p. m.** Luncheon session. Coffee House, Basement Barnes Hall
The rural work of the Ohio Federation of Churches. Reverend B. F. Lamb
What country young folks want, and where the church comes in. R. H. Edwards, Secretary, Cornell University Christian Association
Extension work of the Cornell University Christian Association. J. A. G. Moore
- 3 p. m.** The community church and county federations of churches. Rev. B. F. Lamb, Secretary Ohio Federation of Churches, Columbus, Ohio
- 4 p. m.** Round-table conference on the community church. Rev. O. J. Price, Secretary, Rochester Federation of Churches. Rev. R. H. Lynn, Conesus, New York, Rev. M. W. VanTassell, Lee Center, New York

RURAL EDUCATION CONFERENCE

THURSDAY, FEBRUARY 15

Caldwell 100

- 10 a. m. Can the citizen contribute anything to education other than the payment of taxes?
- (a) What certain rural communities have done. O. M. Frazier, Perry City. Mrs. H. I. Latta, Red Creek, Mrs. Charles H. Royce, Ithaca
 - (b) What the district superintendent can do to stimulate the citizens to make these contributions. A. W. Trainor, District Superintendent, Lewis County
 - (c) The significance of the contributions of citizens to educational progress. E. R. Eastman, Editor of the *American Agriculturist*

FRIDAY, FEBRUARY 16

Caldwell 100

- 9 a. m. Use of the Rural School Leaflet. E. L. Palmer
- 10 a. m. Nature study and literature. Anna Botsford Comstock
- 11 a. m. Conference with teachers. E. L. Palmer
- 3-4:45 p. m. Demonstration in teaching and supervision, for teachers and superintendents; followed by conference discussion. O. G. Brim

Barnes Hall

- 5 p. m. Reception to teachers and superintendents by members of the Department of Rural Education

NEW YORK STATE NEWSPAPER CONFERENCE

MONDAY, FEBRUARY 12

Fernow 122

- 9 a. m. Registration of delegates
- 10 a. m. Welcome by Dean A. R. Mann
- 10:15 a. m. The farm department in the daily paper. L. B. Skeffington, *Rochester Democrat-Chronicle*, Rochester, New York
- 11 a. m. A cut service for weekly papers. John T. Wilson, Autocaster Company, New York City
- 12 m. The handling of farm news. R. L. Voorhees, *Syracuse Post-Standard*, Syracuse, New York
- 2 p. m. The motor-cycle reporter. W. P. Rose, *Enterprise News*, Cambridge Springs, Pennsylvania
- 3 p. m. The community weekly. C. L. Ryder, *Cobleskill Times*, Cobleskill, New York
- 4 p. m. The possibilities of high school training for reporters. Robert T. Lansdale, East High School, Rochester, New York

- 6:30 p. m. Banquet. The Johnny Parson Club. For visiting delegates, members of Sigma Delta Chi, and students of journalism.

TUESDAY, FEBRUARY 13

- 9 a. m. The editorial page. G. W. Beardsley, Binghamton *Sun*, Binghamton, New York
- 10 a. m. Training schools for printers. Ross W. Kellogg, head of the Empire State School of Printing, Ithaca, New York
- 11 a. m. Giving the public what it wants. Bristow Adams.
- 11:30 a. m. The need of a field secretary. P. A. Blossom, President of New York State Press Association, Brockport, New York
- 12 m. The suburban weekly. Shirley Putnam, Greenwich *Press*, Greenwich, Connecticut
- 2 p. m. Pictures, the lure of newspaperdom.
- 3 p. m. Revivifying a newspaper. H. M. Suter, Elmira *Telegram-Advertiser*, Elmira, New York
- 4 p. m. The newspaper campaign.
- 5 p. m. Announcement of awards, with basis of judgment, in newspaper contests.
Round-table discussions
For weeklies
For dailies

STUDENT EMPLOYMENT

The winter courses close with Farmers' Week. In these courses are many students who desire farm work. About the same time, a few students in the regular course complete their work in the College. Among these are many who have always lived and worked on farms when not in school. Some of them are from twenty-four to thirty years of age, and have had sufficient experience to fit them to bear the responsibility of running farms as superintendents or managers; and these, of course, should expect pay considerably above ordinary rates for farm hands. Others have had less, but nevertheless good, experience, and can fill places as foremen and experienced farm hands. Still others have had little experience on farms and should expect little pay at first. It is suggested that the inexperienced men be engaged at very little pay at first, but with the understanding that their pay be increased as they demonstrate their efficiency.

It is planned to have students meet farmers daily (except Wednesday) at one o'clock at the Office of Farm Practice and Farm Superintendence, in Stone Hall, to arrange for employment. Further information may be obtained at any time from the Office. It is requested that farmers who desire to hire student help while in Ithaca correspond with the Office in advance, and call at the Office as soon as possible after arriving at Ithaca.

EXHIBITS

Animal husbandry.—Sheep and wool exhibit; feeds and rations; Dairy Improvement Association Exhibit, showing cows with records made during the past year. Judging Pavilion.

Correspondence course exhibit. Roberts Hall, corridor, second floor.

Botany.—Weeds and poisonous plants. Exhibit of the more common and troublesome weeds of New York State; also, the more common wild plants poisonous to stock. Stone Hall, second floor.

Correspondence courses.—Persons who wish to improve their knowledge of agriculture but who cannot leave home to attend the College, will find much of interest in the exhibit of free agricultural correspondence courses, as they are now being carried on by the College for more than two hundred residents of the State. Members of the staff are on hand to answer questions, and the exhibit gives an opportunity to Farmers Week visitors to look over textbooks, sample lesson sheets, and other helps used in the six courses now being given. These include farm management, milk production, orchard fruits, small fruits, poultry, and vegetable growing, and other courses will be offered as the demand for them is expressed. Roberts Hall, second-floor corridor.

Dairy industry.—Bacteriology. Bacteria growing in plates showing source of milk contamination and the influence of different dairy practices on bacterial contamination of milk; materials and apparatus necessary for determining the number of bacteria in milk by the direct microscopic method and by the plate method. Dairy 132.

Butter. Packages of butter illustrating good and poor methods of preparing butter for market; models showing amount of butter that can be made from milk containing different percentages of fat; necessary utensils for making good butter; charts showing yields of butter obtained from different methods of manufacture; illustrations and samples showing model butter. Dairy 132.

Cheese. Exhibit of different varieties of fancy cheese including cottage, cream, Neufchatel, club, pimento, and the so-called Italian cheese; different styles of American cheddar cheese; cheese showing the variation in amount made from milk containing different percentages of fat. Dairy 132.

Market milk. Milk bottled in different styles of containers; sanitary milk pails, milking stools, appliances for attaching sanitary caps to bottles; different styles of apparatus for cooling milk on the farm; filters showing sediment obtained from milk of good, medium, and poor sanitary quality. Dairy 132.

Tests. Apparatus and materials necessary for testing dairy products for fat; tests for moisture in butter and cheese; tests for the acidity of milk and some of its products. Dairy 132.

Dairy by-products. Materials made from casein—such as combs, buttons, and celluloid substitutes; cold-water paints; confections; and proprietary foods. Dairy 132.

Entomology.—Insects having economic bearing on farming, orchards, and gardens, with concise directions for their control; numerous charts on life history of insects, and typical injury caused by them. Roberts 302.

An exhibit of modern beehives, beekeeping appliances, honey, and wax. Roberts 302.

Correspondence course exhibit. Roberts Hall, second-floor corridor.

Extension.—Mailing rooms are open for inspection from nine to five o'clock each day.

Farm management.—A member of the department of Agricultural Economics and Farm Management is in Room 101, Farm Management Building, during Farmers' Week, for consultation on problems of farm management and agricultural economics.

Floriculture and ornamental horticulture.—A member of the staff and assistants are in the greenhouses thruout each day to show interesting plants and to answer general questions on plant culture. An exhibit of flowering plants and of flowers and plant arrangements will be staged by the students Thursday, February 15, and Friday, February 16. Ornamental evergreens, on display in the greenhouse.

Forestry.—Exhibit of small trees grown in forest nurseries and for use in forest planting; forest plantation exhibit; collection of sections of trees native to this locality; tools used in forestry and woods operations; saw exhibits. Fernow 118.

Wood preservation. An exhibit dealing with the creosoting of fence posts. Fernow Basement 8.

Forestry museum. Valuable collection of woods from various parts of the world; examples of the winter buds of many of our native trees; collection of wooden airplane parts; tools and instruments used in forestry operations. Forestry Basement.

A member of the staff will be in room 118 thruout each day to explain the exhibits and to answer all questions on forestry.

Home economics.—A household-equipment exhibit will be found in Room 300. The exhibit is open from 10 a. m. to 5 p. m. There will be a lecture on labor savers in the same room each morning, Tuesday to Friday, inclusive, at 9.10 a. m.

Demonstration of cooking vegetables Tuesday and Thursday 10.30 to 1, Room 270, in charge of Miss Moses and Miss Roberts.

Members of the staff of the department of design will be on the fourth floor for consultation on personal problems Wednesday afternoon from 2 to 4 o'clock.

There will be a class in dyeing in the laboratory on the fourth floor, Thursday and Friday at 11 o'clock. Each class is limited to ten persons. Applications should be received by letter in advance of Farmers' Week.

A wool exhibit showing raw material and finished articles will be found in Room 265.

Home economics books and homemaking bulletins and magazines will be on exhibit in Room 265.

A representative from the Child Hygiene and Maternity Bureau of the New York State Department of Health will hold conferences with persons interested. Announcement to be made from the platform.

The farm and home bureau dinner has been arranged for 7.15 on Tuesday evening in the dining room of Risley Hall. All interested are invited. Make reservations thru the state home bureau office before Monday evening.

An exhibit of house furnishings will be shown in Room 415.

Clothing will be exhibited in Room 305.

Horseshoeing.—An exhibit of scientific horseshoeing and other material of interest to horsemen. Professor Asmus will be present to discuss problems of shoeing with horsemen. Veterinary College Farriery.

Journalism.—An exhibit and contest of New York State newspapers will be held thruout Monday, February 12, and Tuesday, February 13. Awards are made in several different classes. Fernow 122.

Plant breeding.—There will be on exhibition in the plant breeding laboratory a large number of samples of grain grown by cooperators of the Plant Breeding Department thruout the State. The exhibit will include samples of oats, wheat, barley, rye, corn, beans, timothy, and millet. An attendant will be in charge to explain the material shown.

Dr. A. C. Fraser is working on the breeding of hardier dooryard roses. He will be glad to discuss matters on this subject by appointment with anyone interested. Call or phone General Office, Department of Plant Breeding, Fernow Hall.

Pomology.—Apples of New York State will be on display in Roberts 202.

Poultry.—The poultry industry of the United States, shown in colors and relief, a model 36 feet long, exhibited at the World's Poultry Congress, The Hague, Holland. Corridor of Poultry Building, second floor.

Enlarged map of New York State, showing the extent of the poultry industry, poultry organizations, and poultry educational activities.

Marketing poultry and eggs. Shipping appliances; best methods of preparation for market and packing; crates for safest transportation and highest prices. Poultry Mechanics Room.

Market prices and methods of transportation and marketing, shown by charts and illuminated lantern slides. Main entrance and corridor, first floor, Poultry Building.

Incubators, brooders, and the latest Cornell brooder house, fitted up for use as a brooder and also for a pedigreed breeding flock. Handy poultry appliances. Catching crates, feed hoppers, water-warming devices, and the like. Poultry Mechanics Room, first floor; also out of doors, north of Poultry Building.

Feeding. Feeding management and methods; rations and results. Poultry 174.

Breed improvement. Methods of selecting hens, pullets, and males for production by means of external characters, illustrated by live birds, colored charts, illuminated lantern slides, and the like. Poultry 350.

Poultry-farm management and cost-account records. Account books' methods of keeping records, and comparison of factors affecting profits and losses on poultry farms. Poultry 325, third floor.

Illumination. Appliances, methods of installation of wiring systems, and results, shown by models and colored charts. Handling breeders under illumination, and the effect upon fertility and hatching quality of eggs. Selection of fowls for best results under illumination. A full-sized poultry house, 20 feet square, fully equipped, and wired, to show fowls sent to roost and called to eat at will by artificial illumination. Demonstrations daily, 1 p. m. and 5 p. m. Department of Rural Engineering cooperating. Poultry 300, third floor.

Correspondence course exhibit. Roberts, second-floor corridor.

Rural engineering.—Domestic equipment. Water-supply outfits for the farm home, both electrically and gasoline driven; electric lighting and small power outfits for the farm home; pumps; plumbing and gravity water system for kitchen and bathroom. Farm Mechanics West Laboratory.

Farm shop. Woodworking tools, metal-working tools; tool racks; farm-shop supplies; storage shelves. Farm Mechanics West Laboratory.

Farm power. Modern tractors of round-wheel and crawler types; single- and four-cylinder gasoline engines; Ford automobile engine with starter, lights, and wiring on open stand; tractor transmissions cut open; electric-ignition systems; exhibit of gasoline-engine lubricating oils. Farm Mechanics East Laboratory.

Water wheel. Overshot water wheel, 10 feet in diameter, with gearing and belt to dynamo, water for operating being pumped up by gasoline engine. Farm Mechanics East Laboratory.

Sewage disposal. Full-sized septic tank for domestic kitchen and bathroom plumbing; devices for distributing the sewage to tile and lines of disposal tile. Forms for making distributing devices. Farm Mechanics East Laboratory.

Barn ventilation. Large barn model containing King ventilating system, the actual operation of which is shown by supplying smoke thru the fresh-air intake passages. Farm Mechanics East Laboratory.

Barn drawings and plans. Exhibition of prize-winning barn designs: drawings of the regular work in the course on farm structures; display of drawings of barns and other buildings available for distribution. Rural Engineering, top floor.

Poultry-house illumination. Lights, reflectors, wiring systems, and hand and automatic switches for the installation and control of poultry-house lighting. Poultry 300.

Rural schools.—The rural school exhibit will consist of a collection of the work done by the rural schools of the State during the last year. The material shown is largely based upon the 1922 numbers of the Cornell Rural School Leaflet, so last year's visitors may be assured of an entirely new collection of evidence of the work being done in rural schools. Caldwell 250.

Rural social organization.—An exhibit of charts and literature on community organization, rural recreation, county libraries, and community houses. Farm Management Building.

Vegetable gardening.—Potato show in Vegetable Gardening greenhouse and headhouse. The Department is holding a free-for-all competitive potato exhibit, in which every variety, named and unnamed, is shown in its proper class. First, second, third, and fourth premium awards are offered in each class, the competition being between varieties within the class, and not between samples of the variety. Attention is particularly directed to the close similarity between varieties in each class. This demonstrates the fallacy and the lack of utility in any attempt to distinguish between even standard varieties within a group or class.

Potato-grading demonstration shown in Vegetable Gardening greenhouse and headhouse. A potato grader and samples illustrating each of the United States standard grades of potatoes are exhibited. Various types of defective tubers commonly found in field-run stock, such as hollow-heart, growth-cracks, digger-cuts, sunburn, freezing injury, insect injury, rots, and so forth, are also shown.

Vegetable-package exhibit shown in Vegetable Gardening greenhouse and headhouse. Collection of packages used in many sections of the State to pack the various vegetables and cash crops. Good and bad points of many common packages will be pointed out. Packages conforming to the recommendations of the United States Bureau of Markets will be shown.

Home-garden exhibit. One section of the greenhouse will show in miniature a home garden planned to meet the requirements of the food budget prepared by the School of Home Economics. A certain multiple of the area shown may be expected to produce the vegetables which one person should consume in one year. To produce what the average person actually does consume would require a much smaller area.

Correspondence course exhibit. Roberts Hall, second-floor corridor.

Ornithology.—An exhibit of mounted birds, bird photographs, and methods of attracting birds. Roberts 302



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